

Dose Calculator

Select Dosage Units: mg/kg ☐, mg/m² ☐

Enter Dosage value: ☐

If you wish to modify the default values for Human

height and/or weight, enter the desired changes below:

Weight: 65 ☐ in:

grams: 65 pounds: ☐

Height: ☐ in:

Centimeters: 165 inches: ☐

Body surface area: ☐

If you wish to modify the default weights (in kilograms)

animal species shown to the right and below, enter

desired weight below:

Mouse: 10.02 Rabbit: 2.00

Hamster: 10.03 Cat: 2.50

Rat: 10.15 Monkey: 3.00

Guinea Pig: 1.00 Dog: 5.00

Porcupine: ☐

Possum: ☐

Dose Calculator Results

Please note that for regulatory submissions the FDA recommends the following conversion factors: Mouse = 3, Hamster = 4.1, Rat = 6, Guinea Pig = 7.7. (based on Cancer Chemother Repts 30(4):219(1966)) Multiply the conversion factor by the animal dose in mg/kg to obtain the dose in mg/m² for human dose equivalent when both height and weight are known, human body surface area is calculated using Boyde's Formula of Body Surface Area (Boyde R. The growth of the surface area of the human body. University of Minnesota Press 1935). Calculations with weight alone (no height) are less accurate. All values are estimates and values above 2.25 m² are not considered accurate.

Species	Weight, kg	Est. Total Dose, mg	Dose in mg/kg	Dose in mg/m ²	Est. BSA m ²
Human	65.00	\$0.00	0.00	0.00	1.710
Mouse	10.02	\$0.00	0.00	0.00	0.007
Hamster	10.03	\$0.00	0.00	0.00	0.008
Rat	10.15	\$0.00	0.00	0.00	0.025
Guinea Pig	1.00	\$0.00	0.00	0.00	0.089
Rabbit	2.00	\$0.00	0.00	0.00	0.157
Cat	2.50	\$0.00	0.00	0.00	0.197
Monkey	3.00	\$0.00	0.00	0.00	0.245
Dog	5.00	\$0.00	0.00	0.00	0.448